



Indiana State Department of Health

WEEKLY INFLUENZA REPORT

Data as of Wednesday, October 27, 2010

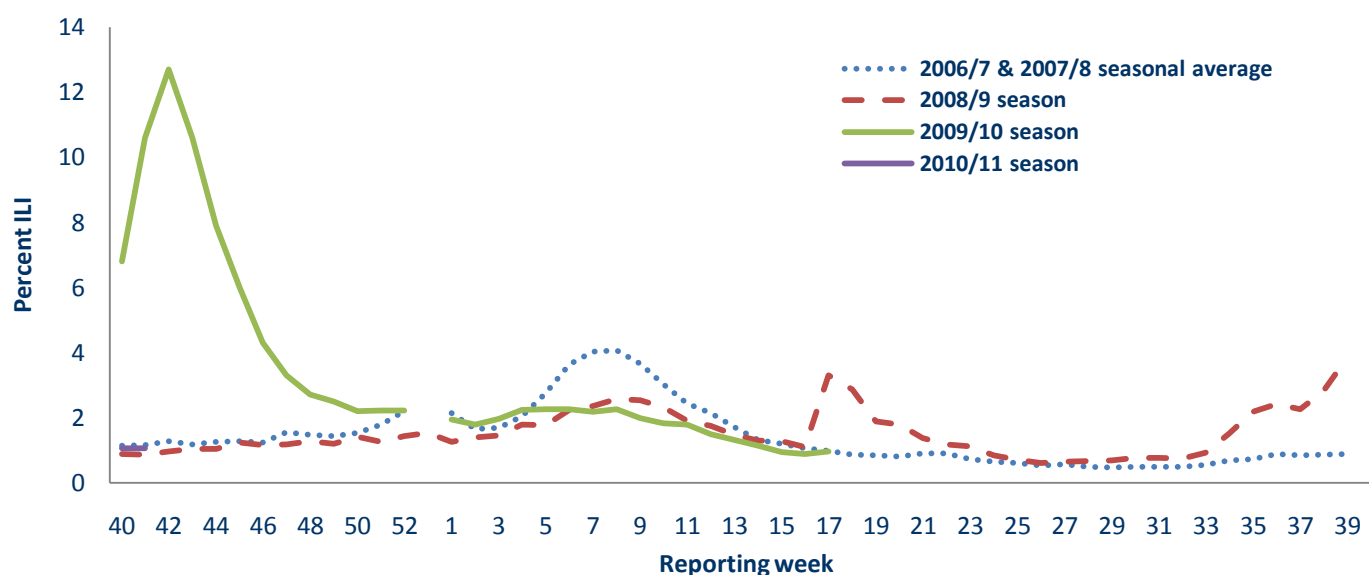
The following report is meant to provide local health departments, hospital administrators, health professionals and residents with a general understanding of the burden of influenza-like illness (ILI). Data from several surveillance programs were utilized to produce this report. Currently, all influenza viruses circulating are not a, “novel” or new virus to humans. Should any changes occur, then enhanced surveillance methods will be implemented and incorporated into this report.

For further information about the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

Key Points:

- The current percentage of ILI reported by the emergency department surveillance (ED) system (1.06%) and the sentinel surveillance system (.70%) is at or below baseline.
- Data for week 41 was collected from October 10-16, 2010.
- During week 41, 0% (0/5) of specimens that were positive for influenza.
- During week 41, 0 Indiana schools (K-12) reported that their absenteeism rate was 20% or higher.
- Universities and non-university facilities are experiencing similar levels of ILI in their communities.

Percent of patients who presented at an emergency department (ED) with a chief complaint relating to influenza-like illness – Indiana, 2010/11 & 2009/10, 2008/9 seasons, 2006/7 & 2007/8 seasonal averages.*† (EDs currently reporting = 88) Health District-level data is available at the end of this report.



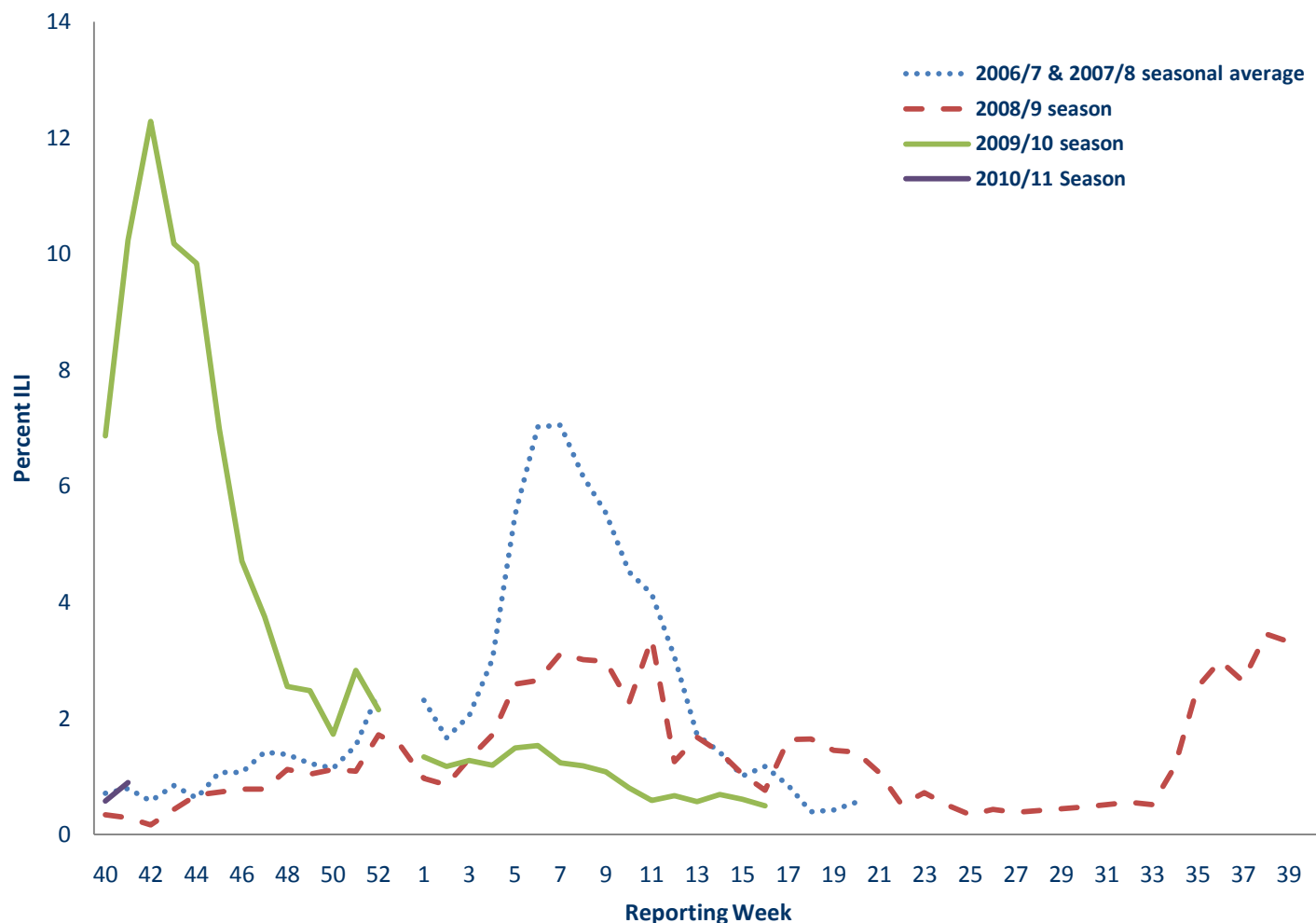
*Data obtained from the ISDH Public Health Emergency Surveillance System (PHESS). The 2008/9 season had a “Week 53” which the 2006/7 and 2007/8 seasons did not have, explaining the break in the seasonal average line.

† PHESS data is very timely, so the data reported is for the most current week.

Key Findings

- The current percentage of ILI reported by the emergency department surveillance (ED) system (1.06) which is at baseline.

Percent of patients who presented at sentinel provider clinics with symptoms relating to influenza-like illness – Indiana, 2010/2011 data vs. 2009/2010, 2008/09, 2006/7 and 2007/8 influenza seasonal averages.*† (Number of sentinel provider clinics who reported this week = 25)



*Data obtained from the ISDH Sentinel Influenza Surveillance System. No data is available for weeks 21-39 during the 2006/7 and 2007/8 seasons due to decreased reporting during traditionally non-influenza months.

† Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

Sentinel reported influenza-like illness (ILI) by sentinel type and reporting week – Indiana, 2010/11 season.*

Reporting Week	All Reporters (%ILI)	Universities (%ILI)	Non-Universities (%ILI)
Week 40	.55	.39	.66
Week 41	.70	.52	.75

**Data obtained from the ISDH Sentinel Influenza Surveillance System. This data is subject to change as sentinel sites can back-date their weekly reports.*

Sentinel reported influenza-like illness (ILI) by age category for the most current week reported – Indiana, 2010-11 season.*†

Age category (yrs)	Total number with ILI	Percent with ILI
0–4	12	22
5–24	27	50
25–49	13	24
50–64	1	2
65+	1	2
Total	54	100.0

**Data obtained from the ISDH Sentinel Influenza Surveillance System.*

**Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.*

Key Findings

- The percent of patients presenting at sentinel providers with ILI is at baseline.
- Universities and non-universities are experiencing similar levels of ILI in their population.
- The percentage of children 0-4 yrs seeking treatment for ILI in sentinel offices increased from 10% to 22% during week 41
- The percentage of people 5-24 yrs seeking treatment for ILI in sentinel offices decreased from 57% to 50% during week 41
- The percentage of people 25-49 yrs seeking treatment for ILI in sentinel offices decreased from 33% to 24% during week 41

Reporting Week	ED Surveillance (%ILI)	Sentinel Surveillance (%ILI)
Week 40	1.07	.55
Week 41	1.06	.70

Number of new deaths associated with laboratory confirmed influenza, by age category – Indiana, October 2, 2010-present*

This week's numbers			Numbers since October 2, 2010	
	Age category (yrs)	Total number	Age category (yrs)	Total number (2009 A/H1N1pdm case)
Number of deaths associated with influenza	0-4	0 (0)	0-4	0 (0)
	5-18	0 (0)	5-18	0 (0)
	19-24	0 (0)	19-24	0 (0)
	25-49	0 (0)	25-49	0 (0)
	50-64	0 (0)	50-64	0 (0)
	65+	0 (0)	65+	0 (0)
	Unknown	0 (0)	Unknown	0 (0)
	Total	0 (0)	Total	0 (0)

Key Findings:

- Zero confirmed influenza-related deaths were reported during Week 41.

ISDH Laboratory data regarding circulating influenza viruses – Indiana, 2010/11 influenza season.*

PCR Result	This week's total		2011 total		Total since September 1, 2010	
	Number	Percent of specimens received	Number	Percent of specimens received	Number	Percent of specimens received
2009 A/H1N1pdm virus	0	0%	0	0%	0	0%
Influenza A/H3 seasonal virus	0	0%	0	0%	0	0%
Influenza A/H1 seasonal virus	0	0%	0	0%	0	0%
Influenza B seasonal virus	0	0%	0	0%	0	0%
Influenza negative	5	100%	0	0%	18	81.8%
Inconclusive	0	0%	0	0%	0	0%
Unsatisfactory specimen†	0	0%	0	0%	4	18.2%
Total	5	100%	0	0%	22	100%

*Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.

†Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

2009 H1N1pdm-positive samples by age group – Indiana, 2010/11 influenza season.*

		This week's numbers		2011 totals		Since September 1, 2010	
	Age category (yrs)	Total number	Percent by age group	Total number	Percent by age group	Total number	Percent by age group
2009 H1N1pdm-positive specimens	0-4	0	0%	0	0%	0	0%
	5-18	0	0%	0	0%	0	0%
	19-24	0	0%	0	0%	0	0%
	25-49	0	0%	0	0%	0	0%
	50-64	0	0%	0	0%	0	0%
	65+	0	0%	0	0%	0	0%
	Unknown	0	0%	0	0%	0	0%
	Total	0	0%	0	0%	0	0%

**Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System.*

OTHER CIRCULATING VIRUSES RECENTLY IDENTIFIED BY THE ISDH LABORATORY:

Other Respiratory Viruses	This Week	2011 Total	Total Since Sept. 1
Adenovirus	0	0	1
Coxsackie B Virus	0	0	1
Echovirus	0	0	0
Enterovirus NOS	0	0	0
Influenza B Virus	0	0	0
Parainfluenza 1 Virus	0	0	0
Parainfluenza 2 Virus	0	0	0
Parainfluenza 3 Virus	0	0	1
Rhinovirus	0	0	0
Total	0	0	3

Number of schools (K-12) reporting a 20% or more absenteeism rate – Indiana, 2010/11 school year*

Health District†	Current Week	Total since September 14, 2009
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
Total	0	0

**Data is self reported by schools to the Indiana Department of Education and/or to their local health department. Schools report children absent due to any illness, not just influenza-like illness.*